WHAT IS CLAIMED IS:

1. A pigment-dispersed aqueous recording liquid containing at least a pigment and a resin, which comprises from 60 to 200 parts by weight of the resin to 100 parts by weight of the pigment, wherein at least one of the resin is a water-dispersible urethane type resin, a weight fraction of a polyurethane urea part of which is at most 2.0 wt% to the urethane resin, and the pigment dispersed in the recording liquid has a dispersion particle size D50 of from 40 to 100 nm.

2. The pigment-dispersed aqueous recording liquid according to Claim 1, wherein the pigment includes at least a carbon black having a DBP absorption amount of from 30 ml/100 g to 100 ml/100 g.

3. The pigment-dispersed aqueous recording liquid according to Claim 1, wherein the urethane type resin has a weight average molecular weight of higher than 5,000 but not higher than 100,000.

4. The pigment-dispersed aqueous recording liquid according to Claim 1, wherein an acid value as a free acid of the urethane type resin is from 20 mgKOH/g to 100 mgKOH/g.

5. The pigment-dispersed aqueous recording liquid according to Claim 1, wherein the resin includes a resin having an acid value of at least 50 mgKOH/g as a free acid in addition to the water-dispersible urethane type resin.

6. The pigment-dispersed aqueous recording liquid according to Claim 1, wherein a solid-printed part having 14.5 mg per square inch of a pigment-dispersed aqueous recording liquid printed by ink jet recording system on a photographic image quality paper provides a printed thickness of at least 20 nm, an optical density of at least 2 and a 20° gloss value of at least 60.

7. The pigment-dispersed aqueous recording liquid according to Claim 1, wherein the pigment includes a carbon black and a pigment other than the carbon black.

8. The pigment-dispersed aqueous recording liquid according to Claim 7, wherein the pigment other than the carbon black is a cyan pigment.

9. A printed material printed with a pigment-dispersed aqueous recording liquid as defined in Claim 1.

10. The printed material according to Claim 9, wherein the printing is carried out by ejecting a pigment-dispersed aqueous recording liquid by an ink jet nozzle on a material to be recorded.

11. The printed material according to Claim 9, which has a printed thickness of at least 20 nm, an optical density of at least 2 and a 20° gloss value of at least 60.

12. The printed material according to Claim 9, which has an arithmetic average roughness of at most 0.04.

13. The printed material according to Claim 9, wherein the pigment-dispersed aqueous recording liquid contains at least a carbon black and the printed material is a

black printed material.

14. A pigment-dispersed aqueous recording liquid wherein a solid-printed part having 14.5 mg of ink per square inch printed by ink jet recording system on a photographic image quality paper provides a printed thickness of at least 20 nm, an optical density of at least 2 and a 20° gloss value of at least 60.

15. The pigment-dispersed aqueous recording liquid according to Claim 14, which contains at least a carbon black.

16. A printed material printed by ejecting a pigment-dispersed aqueous recording liquid through an ink jet nozzle on a material to be recorded, which provides a printed thickness of at least 20 nm, an optical density of at least 2 and a 20° gloss value of at least 60.

17. The printed material according to Claim 16, wherein at least 14.5 mg per square inch of ink is deposited on a photographic image quality paper by solid-printing.